

Title (en)

CIRCULATING TUMOR CELL DIAGNOSTICS FOR THERAPY TARGETING PD-L1

Title (de)

DIAGNOSE ZIRKULIERENDER TUMORZELLEN FÜR AUF PD-L1-ABZIELENDE THERAPIE

Title (fr)

DIAGNOSTIC DE CELLULES TUMORALES CIRCULANTES POUR UNE THÉRAPIE CIBLÉE À PD-L1

Publication

**EP 3207377 A4 20180502 (EN)**

Application

**EP 15850076 A 20151013**

Priority

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- US 2015055275 W 20151013

Abstract (en)

[origin: WO2016061064A1] The disclosure provides a method for determining if a subject afflicted with cancer is a candidate for Programmed Death Ligand-1 (PD-L1) targeted immunotherapy, which method comprises (a) providing a liquid biopsy sample obtained from the subject afflicted with cancer; (b) detecting CTCs in the liquid biopsy sample; (c) calculating what proportion of CTCs in the liquid biopsy express PD-L1; and (c) identifying the subject as a candidate for PD-L1 targeted immunotherapy based on an assessment that the proportion of the CTCs in the liquid biopsy that express PD-L1 exceeds a pre-determined threshold level.

IPC 8 full level

**G01N 33/574** (2006.01)

CPC (source: EP US)

**C12Q 1/6886** (2013.01 - US); **G01N 33/57423** (2013.01 - EP US); **G01N 33/57488** (2013.01 - EP US); **C12Q 2600/106** (2013.01 - US); **C12Q 2600/118** (2013.01 - US); **G01N 2333/70589** (2013.01 - US); **G01N 2800/52** (2013.01 - EP US); **G01N 2800/56** (2013.01 - EP US)

Citation (search report)

- [I] WO 2014151006 A2 20140925 - GENENTECH INC [US], et al
- [A] BENJAMIN K GIBBS ET AL: "Abstract 4816: Development of an integrated analysis platform of circulating melanoma cells for PD-L1 expression as a predictive biomarker", CANCER RESEARCH, 5 April 2014 (2014-04-05), XP055460476, Retrieved from the Internet <URL:http://cancerres.aacrjournals.org/content/74/19\_Supplement/4816> [retrieved on 20180319]
- [A] MARIO GIULIANO ET AL: "Circulating tumor cells as early predictors of metastatic spread in breast cancer patients with limited metastatic dissemination", BREAST CANCER RESEARCH, CURRENT MEDICINE GROUP LTD, GB, vol. 16, no. 5, 16 September 2014 (2014-09-16), pages 440, XP021200517, ISSN: 1465-5411, DOI: 10.1186/S13058-014-0440-8
- See also references of WO 2016061064A1

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